



GCC of America

Cherry Creek Plaza 1, 600 S. Cherry St, 10th Floor, Glendale, CO 80246
 Sales (303) 739-5900 Customer Service (800) CALL GCC

Plant:Tijeras
 PO Box 100
 Tijeras, NM 87059
 Contact:Krishna Malay
 (505) 286-6027

Cement Type: Class G HSR Oilwell
 Date Issued: 07-May-19
 Production period ending: 11/01/2018 to 11/30/2018
Monthly Average

STANDARD REQUIREMENTS API (SPEC 10A)

	Spec.	Test
Item	Limit	Result
MgO (%)	6.0 max.	4.5
SO ₃ (%)	3.5 max.	2.8
Loss of Ignition (%)	3.0 max.	1.4
Insoluble residue (%)	0.75 max.	0.53
Equivalent alkalis (%)	N.R.	0.02

Potential Compounds	%	
C ₃ S	N.R.	58
C ₃ A	3 max	2.5

	Spec.	Test
Item	Limit	Result
Blaine fineness (m ² /kg) minimum	N.R.	293
Mix Water (mass fraction of cement)	44%	44
% Free Fluid content (max)	5.9	3.0
Compressive strength		MPa (psi)
8 hr.,100deg. F., Min	2.1 (300)	4.5 (648)
8 hr.,140deg. F., Min	10.3 (1500)	16.8 (2447)
Schedule 4		
Maximum Consistency Bc (15 - 30 min)	30	12
Thickening time. (minutes) @ 70 Bc	(B)	88
Thickening time. (minutes) @ 100 Bc	90 min.	101

A Not applicable.
 B Limit not specified by purchaser. Test result provided for information only.
 N.R. No Requirement
 NA : Not available

At the time of shipment, the cement referenced on this mill test certificate complies with the current standard API 10A specifications using applicable standard testing procedures.